Jeffrey T Lock

List of Publications by Year
in descending order

16 papers	538 citations	759233 12 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	842 citing authors

#	Article	IF	Citations
1	Termination of Ca2+ puffs during IP3-evoked global Ca2+ signals. Cell Calcium, 2021, 100, 102494.	2.4	4
2	ER-luminal [Ca2+] regulation of InsP3 receptor gating mediated by an ER-luminal peripheral Ca2+-binding protein. ELife, 2020, 9, .	6.0	19
3	IP3 mediated global Ca2+ signals arise through two temporally and spatially distinct modes of Ca2+ release. ELife, 2020, 9, .	6.0	34
4	Spatial-temporal patterning of Ca2+ signals by the subcellular distribution of IP3 and IP3 receptors. Seminars in Cell and Developmental Biology, 2019, 94, 3-10.	5.0	23
5	Applications of FLIKA, a Python-based image processing and analysis platform, for studying local events of cellular calcium signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1171-1179.	4.1	15
6	All three IP ₃ receptor isoforms generate Ca ²⁺ puffs that display similar characteristics. Science Signaling, 2018, 11, .	3.6	53
7	Subcellular Ca²⁺ Puffs Mediated By Different Inositol Trisphosphate Receptor Isoforms. FASEB Journal, 2018, 32, 750.33.	0.5	1
8	Comparison of Ca2+ puffs evoked by extracellular agonists and photoreleased IP3. Cell Calcium, 2017, 63, 43-47.	2.4	23
9	Communication of Ca2+ signals via tunneling membrane nanotubes is mediated by transmission of inositol trisphosphate through gap junctions. Cell Calcium, 2016, 60, 266-272.	2.4	48
10	Imaging Local Ca²⁺ Signals in Cultured Mammalian Cells. Journal of Visualized Experiments, 2015, , .	0.3	14
11	A comparison of fluorescent Ca2+ indicators for imaging local Ca2+ signals in cultured cells. Cell Calcium, 2015, 58, 638-648.	2.4	159
12	Protein Sâ€glutathionylation enhances Ca²⁺â€induced Ca²⁺ release via the IP₃ receptor in cultured aortic endothelial cells. Journal of Physiology, 2012, 590, 3431-3447.	2.9	54
13	Phosphoinositide Binding Differentially Regulates NHE1 Na+/H+ Exchanger-dependent Proximal Tubule Cell Survival. Journal of Biological Chemistry, 2011, 286, 42435-42445.	3.4	28
14	Effect of protein S-glutathionylation on Ca2+ homeostasis in cultured aortic endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H493-H506.	3.2	51
15	Effect of diamideâ€induced oxidative stress on Ca 2+ signaling in cultured bovine aortic endothelial cells (BAEC). FASEB Journal, 2010, 24, 1048.6.	0.5	1
16	Elevation of osteopontin levels in brain tumor cells reduces burden and promotes survival through the inhibition of cell dispersal. Journal of Neuro-Oncology, 2008, 86, 285-296.	2.9	8